(No Model.)

C. HIERING.

BAG OR PURSE FRAME AND CATCH.

No. 575,837. Patented Jan. 26, 1897.

FIG. 1

FIG. 2

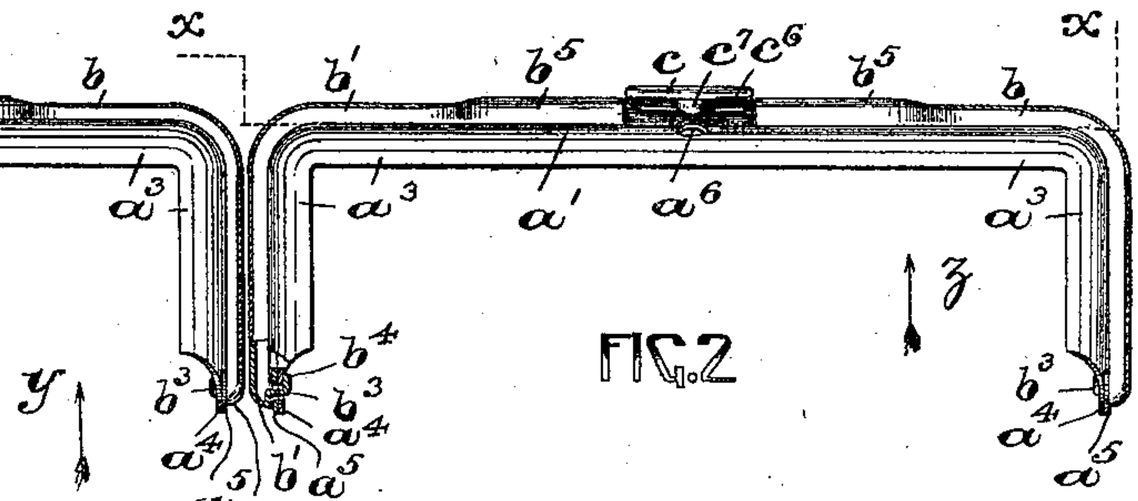


FIG. 3

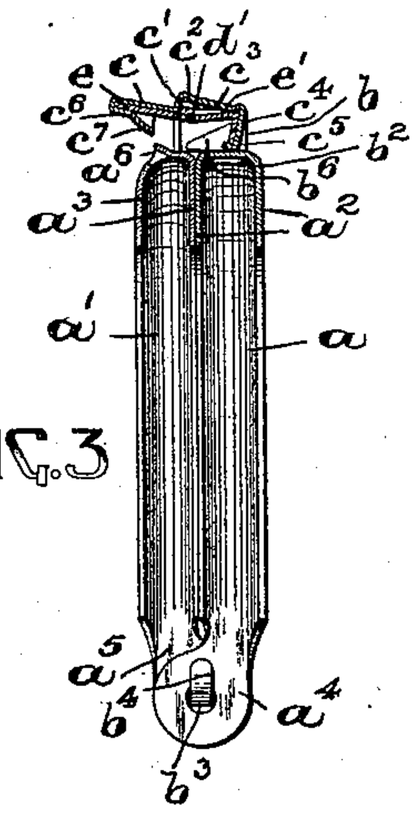


FIG. 4

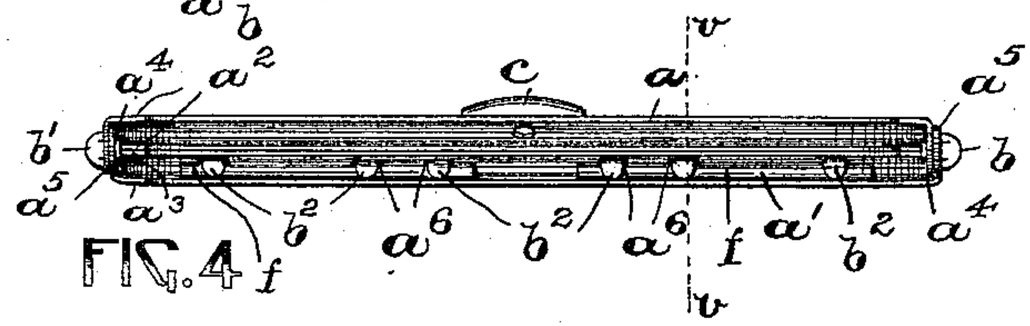


FIG. 5

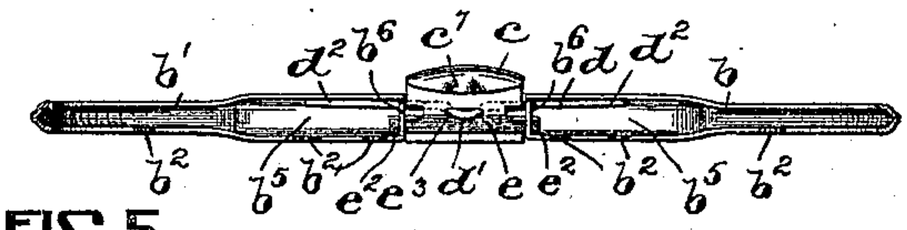


FIG. 6

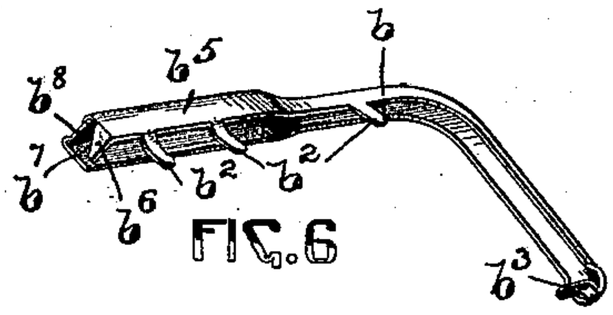


FIG. 7

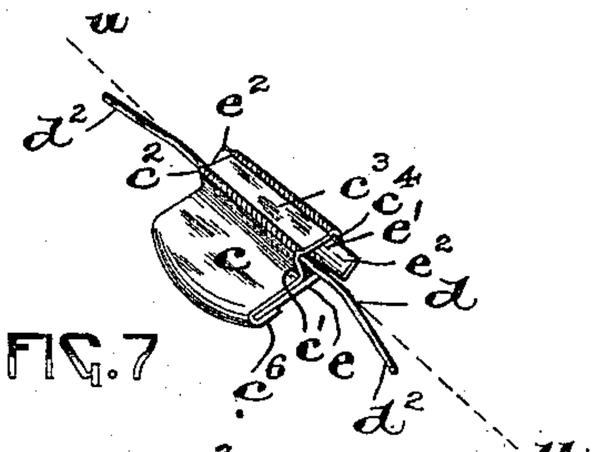


FIG. 8

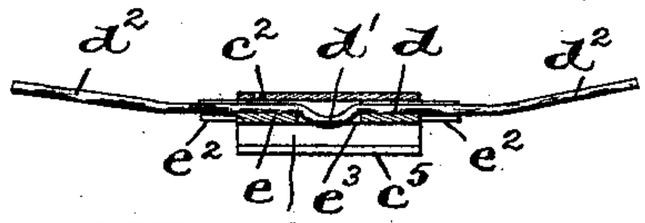


FIG. 9

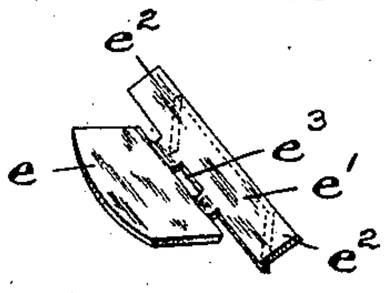
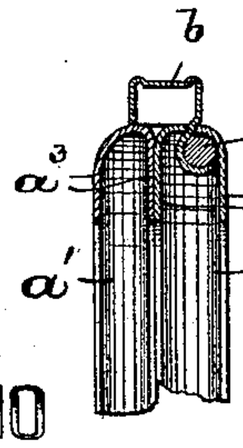


FIG. 10



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UNITED STATES PATENT OFFICE.

CHRISTIAN HIERING, OF CLINTON, NEW JERSEY, ASSIGNOR TO THE J. E. MERGOTT COMPANY, OF IRVINGTON, NEW JERSEY.

BAG OR PURSE FRAME AND CATCH.

SPECIFICATION forming part of Letters Patent No. 575,837, dated January 26, 1897.

Application filed October 30, 1896. Serial No. 610,533. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN HIERING, a citizen of the United States, residing at Clinton township, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Bag or Purse Frames and Catches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in metallic frames for pocket-books, satchels, and the like, and also in the locking or holding latch connected with the frame-sections.

The invention has for its primary object to provide a frame of this class which shall be simple, strong, and durable in its construction.

A further object of the invention is to dispense with independent rivets at the hinge-joints of the frame-sections and to provide a bag or purse frame having a simply-constructed spring-actuated holding-catch which is not so liable to breakage or disarrangement of its parts, such danger of breakage or disarrangement being thereby reduced to a minimum, and a stronger, more durable, and serviceable, as well as inexpensive, holding-catch is rendered.

My invention therefore consists in the novel construction of purse or bag frame and its holding-catch, as well as in the novel arrangements and combinations of the parts, such as will be hereinafter fully described, and finally embodied in the clauses of the claim.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a front view of the purse or bag frame made according to my present invention, the locking or holding catch being represented in its closed or locked relation to the frame-sections. Fig. 2 is a similar view of the purse or bag frame with the locking-catch represented in its open relation to the frame-sections, said view also illustrating one of the hinge-joints in section. Fig. 3 is a vertical section of the frame, taken centrally through the frame-sections and the holding-catch connected therewith. Fig. 4 is a view of the closed frame-sections when looking in the direction of arrow y in Fig. 1; and Fig. 5 is a section taken on line x in Fig. 2 when looking in the direction of arrow z in said Fig. 2, illustrating two ornamental edge or frame pieces (to be connected with one of the frame-sections) and the holding-catch operatively connected with the two inner ends of said ornamental frame-pieces. Fig. 6 is a perspective view of one of said ornamental edge or frame pieces. Fig. 7 is a perspective view of the locking or holding catch and its spring; and Fig. 8 is a cross-section of the same, taken on line u in Fig. 7 to illustrate the arrangement of the said spring between the parts comprising the holding-catch. Fig. 9 is a perspective view of one of the parts of the holding-catch, and Fig. 10 is a cross-section taken on line v in Fig. 4.

Similar letters of reference are employed in all of the above-described views to indicate corresponding parts.

In said drawings, a and a' are the two frame-sections, which are of the usual shape. Said frame-sections are respectively provided with inwardly-extending sides a^2 and a^3, as will be seen from Fig. 3, and have the perforated ears a^4 and a^5, respectively, which are adapted to be placed over each other to form the hinge-joints of the purse or bag frame in the manner to be more fully described hereinafter. One of said frame-sections, as a, is provided in its outer edge with suitable perforations or holes a^6, through which are passed certain holding-lugs b^2 of a pair of ornamental edge pieces or frame-pieces b and b', said lugs being adapted to be closed down upon the inner surface of said frame-section a to securely hold said edge or frame pieces b and b' directly over the joint formed by the two frame-sections a and a' of the bag or purse frame when they are closed, as will be seen from an inspection of Fig. 3.

In order that the frame-section a' may not be marred or become punctured when the tongues or holding-lugs b^2 are bent over by

means of the dies employed, and to secure additional strength, said tongues or holding-lugs are forced over and against certain pieces of wire *f*, forming bolts or holding-bars, as clearly illustrated in Figs. 2 and 10; but said bolts or bars *f* may be dispensed with, if desired, as will be clearly evident from an inspection of Fig. 3.

As will be more especially seen from Fig. 6, at the end of each edge or frame piece *b* or *b'* there is a suitable tongue b^3, formed integral with the said pieces, which tongues can be bent at right angles, or approximately so, to the body of said edge pieces and then inserted through the perforations in the ears a^4 and a^5 of the frame-sections *a* and *a'*, and when said tongues b^3 are bent over, as at b^4 in Figs. 2 and 3, a secure and operative hinge connection is formed, said tongues b^3 acting as the pivots, whereby I am able to dispense with the use of extra rivets and the extra cost of riveting the parts together, as in the constructions of purse or bag frames now made. Each edge or frame piece *b* or *b'* is also provided with the angularly-shaped end portions b^5, formed as illustrated in Fig. 6 and provided with an inwardly-bent stop-piece b^6, having the inclined side b^7. Said end portions and the inclined sides b^7 of each end portion form the bearings for a pivotally-arranged and spring-actuated holding or locking catch between the two edge or frame pieces *b* and *b'*, as clearly indicated in Figs. 1 and 2. Said catch or holding device, as will be clearly seen from Figs. 7, 8, and 9, consists, essentially, of an outer shell or plate *c*, provided with a shoulder *c'*, formed at a right angle, or approximately so, and a curved part c^2, adapted to receive and hold a suitable spring *d*. Extending from said portion c^2 of the plate *c* is a flat part c^3, provided with the downwardly-extending portion c^4 and a shoulder c^5, substantially as illustrated in Fig. 3. Said plate is also provided on the under side with an inwardly-extending lip c^6, and securely held by said lip and by said downwardly-extending portion c^4 and the shoulder c^5 of said plate *c*, in the manner illustrated more particularly in Figs. 3 and 7, is a hinge-plate *e*. Said plate *e*, as will be seen from Fig. 9, is provided with an upwardly-extending portion *e'*, which when the plate *e* is secured to the plate *c* in the manner just stated has its ends e^2 extending on opposite sides of the said plate *c*, substantially as illustrated in Fig. 7. Said plate *e* is also provided with a suitable perforation e^3, into which is fitted the bent portion *d'* of the spring *d* in the manner clearly illustrated in Fig. 8, with the slightly-bent ends d^2 of said spring extending on opposite sides of the locking device, as illustrated. Said locking device or catch is operatively arranged between the end portions b^5 of the ornamental edge or frame pieces *b* and *b'* by having the ends e^2 loosely and pivotally arranged on the inclined sides b^7 of the stop-pieces b^6, connected with said frame-pieces *b* and *b'*.

As will be seen from Figs. 2 and 3, the lip c^6 of the plate *c* is provided on its under surface with a projection c^7, preferably forced up in said lip, and the action of the ends d^2 of the spring *d*, which are in operative contact with the inner surfaces of the edge or frame pieces *b* and *b'*, respectively, is to normally force the ends e^2 of the plate *e* down upon and against the inclined sides b^7 of the stop-pieces b^6, which brings the lip portion of the catch slightly below the upper surface of the frame-section *a'*, and when the two frame-sections *a* and *a'* are closed against each other forces the projection c^7 into locked or holding engagement with a raised holding portion a^6 in said frame-section *a'*. In this manner the two frame-sections of the purse or bag frame are held in their closed relation to each other, and to open the same all that is necessary is to raise the catch *c*, when said portion c^7 becomes disengaged from the holding portion a^6 and the frame-sections *a* and *a'* can be moved on their hinge-joints to open the mouth of the purse or bag.

When the catch is raised, the ends e^2 on the plate *e* are brought against the edges b^8 of the end portions b^5 of the two edge or frame pieces *b* and *b'*, which thereby limits the upward movement of said catch, and when the operator removes his or her hand from the catch the spring *d* will again cause the said ends e^2 to be brought down upon the inclined sides b^7 of the stops b^6, as will be clearly understood.

The many advantages of my improved frame and catch are evident from the above description, the construction being simple and cheap and the frame neat, strong, and durable.

Having thus described my invention, what I claim is—

1. In a bag or purse frame, a pair of frame-sections, having ears at their free ends, and a holding-tongue connected with the ends of one of said frame-sections, adapted to be pivotally connected with the other frame-section and turned over against the same, to form an operative hinge-joint, substantially as and for the purposes set forth.

2. In a bag or purse frame, the combination, with a pair of frame-sections having perforated ears at their free ends, of a pair of edge or ornamental frame-pieces *b* and *b'*, each having a tongue b^3 formed integral therewith, said tongues being adapted to be arranged in said perforated ears and turned over to form an operative hinge-joint, substantially as and for the purposes set forth.

3. In a bag or purse frame, the combination, with a pair of frame-sections having perforated ears at their free ends, of a pair of edge or ornamental frame-pieces *b* and *b'*, each having a tongue b^3 formed integral therewith, said tongues being adapted to be arranged in said perforated ears and turned over to form

an operative hinge-joint, and a holding-catch pivotally arranged between said frame-pieces and connected therewith, substantially as and for the purposes set forth.

4. In a bag or purse frame, the combination, with a pair of frame-sections having perforated ears at their free ends, of a pair of edge or ornamental frame-pieces b and b', each having a tongue b^3 formed integral therewith, said tongues being adapted to be arranged in said perforated ears and turned over to form an operative hinge-joint, said frame-pieces having angular end portions b^5, and stop-pieces b^6 having inclined sides b^7, and a holding or locking catch having end pieces e^2 pivotally arranged on said sides b^7, substantially as and for the purposes set forth.

5. In a bag or purse frame, the combination, with a pair of hinged frame-sections, of a pair of edge or ornamental frame-pieces secured to one of said frame-sections, said frame-pieces having angular end portions b^5 and stop-pieces b^6 having inclined sides b^7, and a holding or locking catch pivotally connected with said end portions b^5, substantially as and for the purposes set forth.

6. In a bag or purse frame, the combination, with a pair of hinged frame-sections, of a pair of edge or ornamental frame-pieces secured to one of said frame-sections, said frame-pieces having angular end portions b^5 and stop-pieces b^6 having inclined sides b^7, and a holding or locking catch pivotally connected with said end portions b^5, consisting, essentially, of a plate c having holding parts c^4, c^5 and c^6, a plate e arranged and secured between said parts, end pieces e^2 on said plate e, and a spring d, all of said parts being arranged and operating, substantially as and for the purposes set forth.

7. In a bag or purse frame, the combination, with a pair of hinged frame-sections, of a catch pivotally connected with one of said frame-sections, consisting, essentially, of a plate c, having the holding parts c^4, c^5 and c^6, a plate e arranged and secured between said parts, end pieces e^2 on said plate e, and a spring d having its free ends operatively connected with one of said frame-sections, substantially as and for the purposes set forth.

8. In a bag or purse frame, the combination, with a pair of hinged frame-sections, of a catch pivotally connected with one of said frame-sections, consisting, essentially, of a plate c, having holding parts c^4, c^5 and c^6, a plate e arranged and secured between said parts, end pieces e^2 on said plate e, and a spring d having its free ends operatively connected with one of said frame-sections, a projection c^7 formed on said plate c, and a holding portion a^6 on the other frame-section, said projection c^7 and the holding portion a^6 being adapted to be forced into holding or locked engagement, substantially as and for the purposes set forth.

9. The herein-described catch, comprising therein, a plate c, having holding portions c^4, c^5 and c^6, a plate e, having an upwardly-extending part e' and end portions e^2, said plate e being arranged and secured between said parts c^4, c^5 and c^6, and said plate e having an opening e^3, and a spring d arranged between said plates c and e, said spring having a curved portion d' arranged in said opening e^3, and said spring also having the oppositely-projecting ends d^2, substantially as and for the purposes set forth.

10. In a purse or bag frame, the combination, with a pair of hinged frame-sections, of ornamental edge or frame pieces, as b and b', having holding-lugs b^2 which pass into and through perforations in one of said frame-sections, and a bolt or holding-bar, as f, on the under side of said frame-section, around which said holding-lugs b^2 are forced to secure said ornamental edge or frame pieces b and b' against said frame-section, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 28th day of October, 1896.

CHRISTIAN HIERING.

Witnesses:
FREDK. C. FRAENTZEL,
J. E. MERGOTT.